

SYLLABUS

COURSE #: DHYG 229

COURSE TITLE: Pharmacology

of credits: 3 (3+0+0)

CATALOG DESCRIPTION:

A study of the importance of the pharmacologic aspects of those drugs and drug groups with which the dentist and dental hygienist are directly and indirectly concerned.

Emphasis is placed on nomenclature, origin, physical and chemical properties, preparation, modes of administration and effects upon the body systems.

Prerequisites: DHYG 221, 225 Co-requisites: DHYG 233, 234, 235, 237 and enrolled in or completed with a C or above, SOCI 110.

Semester Offered: Fall.

<i>Common Student Learning Outcomes</i>	
<i>Upon successful completion of San Juan College programs and degrees, the student will....</i>	
<i>Learn</i>	<i>Students will actively and independently acquire, apply and adapt skills and knowledge to develop expertise and a broader understanding of the world as lifelong learners.</i>
<i>Think</i>	<i>Students will think analytically and creatively to explore ideas, make connections, draw conclusions, and solve problems.</i>
<i>Communicate</i>	<i>Students will exchange ideas and information with clarity and originality in multiple contexts.</i>
<i>Integrate</i>	<i>Students will demonstrate proficiency in the use of technologies in the broadest sense related to their field of study.</i>
<i>Act</i>	<i>Students will act purposefully, reflectively, and respectfully in diverse and complex environments.</i>

COURSE GOALS:

1. The student will identify the uses, actions, and contraindications of drugs commonly taken by patients as evidenced by a 75% or higher accuracy on learning assessments.
2. The student will describe the prevention of drug interactions, medical emergency interventions, oral manifestations associated with drug use, and implications of alcohol and drug abuse.
3. The student will incorporate his knowledge or oral side effects from medication use in the management of the patient's dental health.

LEARNING OUTCOMES: Upon completion of this course the student will be able to:

1. Demonstrate pharmacological terminology, list sources of drug information, and identify regulating agencies and rules related to pharmacology and prescription writing.
2. Describe general principles of pharmacology to include basic mechanisms—physiological and biochemical—through which different drug forms exert their actions.
3. Identify factors involved in the absorption, disposition, metabolism and excretion of drugs.
4. Discuss the therapeutic applications of drugs, including methods of administration, the effects of drugs altered by variables and drug interactions that alter drug effects clinically.
5. Identify actions of drugs which could alter dental treatment, discuss the systemic diseases which require their use, either directly or indirectly and possible oral manifestations associated with drug use.
6. Explain adverse reactions, general methods of toxicity prevention, and medical emergencies that may occur in dental practice.
7. Describe the implications of alcohol and drug abuse to dental practice.
8. Apply the general principles of pharmacology to the use of various drugs used in dentistry.

This syllabus developed by: Jeff Nygren, PharmD Date: June 06, 2010

This syllabus reviewed by: Dr. Julius N. Manz Date: June 06, 2010

San Juan College

COURSE GUIDE

DHYG229

Pharmacology (3+0+0) 3 hours credit

Instructor:

Dr. Jeffery Nygren Pharm D Home: 327-2118

jefferynygren@hotmail.com

Office Hours: by appointment only

Required Text books:

Applied Pharmacology for the Dental Hygienist, 6th edition
(2007). Haveles, Elena B. St. Louis Mosby

Drug Information Handbook for Dentistry, (2008).
Wynn, R., Meiller, T. and Crossley, H Hudson: Lexi-comp

Supplementary
Textbooks and Materials

Pharmacology: An Introductory Text, 8th Ed., (1996)
Asperheim, M. Philadelphia: W>B> Saunders Company
Integrated Pharmacology, (1997) Page, C., Curtis, M.,
Sutter, M., Walker, M. and Hoffman, B. St. Louis: Mosby
Mosby's Dental Drug Reference, (1999). Gage, T. and
Pickett, F. Mosby-Year Book
Delmar's Dental Drug Reference, (1999). Delmar.
Further reference materials in library

4 Major Exams	60%	A=90-100%	D=60-75%**
1 Top 100 Exam	10%	B=80-89%	F=below 60%**
Comprehensive Final	20%	C=75-79%	
10 Pop Quizzes	10%		

4 Exam will be 50 questions each
Top 100 Exam will be 100 questions
Final will be 100 questions
10 Quizzes will be 5 questions each

**A dental hygienist must exhibit professionalism through the application of a professional code of ethics. Unprofessional conduct will be reflected in the grade and may be grounds for dismissal. Refer to Clinic Manual for further information.*

*** A final grade below a "C" (75%) constitutes dismissal from the Dental Hygiene Program.*

Instructor's Policies:

Preparation: During this course it is expected that the student prepare for class. This includes reading or viewing the information to be discussed in class.

Attendance Policy: Students are expected to attend all regularly scheduled classes for which they are registered. Please notify instructor in advance (if possible) if you will be absent. Valid reasons for missing classes do not relieve the student from making up any missed work. An instruction missed and not subsequently completed will necessarily affect the grade of the student, regardless of the reason for the absence. Students are expected to be in the classroom and be ready to begin the session on time.

Make-Up Policy: If a major examination is missed, it is the student's responsibility to make arrangements with the instructor and schedule a Make-Up Examination. The Make-Up Exam will be different from the one given to the other students and may be oral, written, or a combination of both. A student will not be allowed to make up quizzes (a zero will be given for each missed quiz).

Professional Policy: All students are expected to participate in an active and productive manner which enhances learning for all in the classroom and clinical settings. Students are considered mature enough to seek faculty assistance and to monitor their own progress in meeting course requirements. Professional language and demeanor are expected at all times.

Academic Dishonesty: Unethical and unprofessional activities will not be tolerated. Refer to the Dental Hygiene Student Handbook and the SJC Catalogue for more information.

Student Grievance Procedure: Policies regarding Student Grievance can be found in the SJC Course Catalog. A student who has a problem with the course or the course instructor should make every attempt to resolve the problem with the course instructor *first*. If the issue remains unresolved, the student should then discuss their concerns with the Dental Program Director. If the response is not adequate to the student, the student should then follow the outlined SJC policy for Student Grievance.

Course Outcomes Inventory: The effectiveness of DHYG 229 is measured by several methods:

- 1) Completion of all course work with a satisfactory grade.
- 2) Course evaluations.
- 3) Analysis of clinical application of material presented.
- 4) Scores on National and Regional Boards are reviewed and evaluated.

Accommodations Statement: Students who need accommodations (i.e. notetaker, interpreter, special seating, etc.) need to provide accommodation notices to the instructor. Students can contact the Students with Disabilities on Campus (SDOC) Coordinator in

the Counseling Center, located in the Clocktower Building, to make arrangements and provide documentation in accordance with the Americans with Disabilities Act of 1990.